



**Linda S. Adams**  
Secretary for  
Environmental Protection

## California Regional Water Quality Control Board Central Valley Region

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**Arnold  
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9 June 2006

Kaj Ahlmann  
Six Sigma Winery, LLC  
13372 Spruce Grove Road  
Lower Lake, CA 95457

Susan Wollenberg  
Six Sigma Winery, LLC  
3175 West 207<sup>th</sup> Street  
Bucyrus, KS 66013

### ***NOTICE OF APPLICABILITY OF RESOLUTION NO. R5-2003-0106 SIX SIGMA WINERY, LAKE COUNTY***

Regional Board staff has reviewed your 4 May 2006 updated Report of Waste Discharge (RWD) for coverage under Regional Board Resolution No. R5-2003-0106, *Waiver of Waste Discharge Requirements for Small Food Processors, Including Wineries, Within the Central Valley Region*. This information describes proposed changes to the wastewater disposal system from tank-and-haul to land application. Because the 25 October 2005 Notice of Applicability of Resolution No. R5-2003-0106 only applied to the tank-and-haul disposal method, it is no longer applicable.

Resolution No. R5-2003-0106 (a copy of which is enclosed) is a conditional waiver of waste discharge requirements for small food processors, including wineries. Based on the information you have submitted, the discharge as described in the RWD satisfies the general and specific conditions of Resolution No. R5-2003-0106 for the current amount of grapes crushed and wastewater produced.

#### Discharge Description

Susan Wollenberg owns the land on which Kaj Ahlmann will operate Six Sigma Winery. The winery will be located at 13372 Spruce Grove Road in Lower Lake, Lake County. Wastewater generated during grape crushing activities will gravity flow from a covered concrete crush pad into a trench drain and into a 4,000 gallon holding tank and then to an Orenco AdvanTex® package treatment plant. From the package plant, the wastewater will be discharged into four 5,000-gallon aboveground storage tanks for holding the pre-treated wastewater during the rainy season, (typically from the beginning of November through mid April). The wastewater will then be land applied to 10 acres of pastureland (disposal area) using a tractor sprayer.

The RWD states that the wastewater stored in tanks during the rainy season will be disposed of during the dry season from 15 April to 1 November 2006. Regional Board staff has concerns that the available wastewater storage may not be sufficient for holding the expected volume of wastewater during the winter months. However, Resolution No. R5-2003-0106 allows for the wastewater to be applied to a designated land application area throughout the year, as long as the Discharger meets the requirements of Resolution No. R5-2003-0106,

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in particular, Specific Condition No. 9 which states: *"If wastewater is applied to land:  
(a) Wastewater shall not be applied to land 24 hours before a forecasted storm, during a storm, 24 hours after a storm or when the ground is saturated..."*

The RWD states that annually, the Discharger will produce between 3,000 and 5,000 cases of wine and generate up to 75,000 gallons of wastewater.

Approximately 4 tons of solid waste (grape stems, skins, and seeds) produced by the de-stemming and pressing operations will be generated annually. Following pressing operations, these solids will be stored on the concrete crush pad for drying. Following the drying process, the solids will then be transported to 10 acres of vineyard and evenly distributed between the vineyard rows.

#### Conditional Waiver

Based on the information submitted in the RWD and subsequent technical reports, the discharge as described above satisfies the general and specific conditions of Resolution No. R5-2003-0106 for the current amount of wastewater produced. Therefore, this letter serves as formal notice that Resolution No. R5-2003-0106 is applicable and waste discharge requirements for this facility are waived.

Enclosed is a copy of Resolution No. R5-2003-0106 and the associated monitoring and reporting program. As described therein, an annual monitoring report that contains the information described in Item Nos. 1, 2 and 5 of the monitoring and reporting program must be submitted by **1 February** of each year.

If the discharge violates the terms or conditions of the waiver, the Regional Board may take enforcement action, including assessment of administrative civil liability. Based on the site conditions described in the RWD, staff estimates the Six Sigma Winery can apply no more than 75,000 gallons of wastewater per year. If the volume of wastewater exceeds 75,000 gallons or the methods of winery wastewater and solids disposal change from those described in the RWD, you must submit a new RWD. Please note that the waiver will expire on 11 July 2008, at which time you must submit a new RWD with a filing fee to renew the waiver, or cease the discharge.

If you have any questions regarding this letter, please do not hesitate to call Guy Childs at (916) 464-4648.

-Original Signed by-

PAMELA C. CREEDON  
Executive Officer

Enc: General Order No. R5-2003-0106

cc w/o enc: Ray Ruminski, Lake County Environmental Health Department, Lakeport  
Hamid R. Heidary, Ruzica Associates, Lakeport